

Amendments to the Specification

Please replace the section entitled “Abstract” by replacing the deleted section with the following replacement abstract showing all changes relative to the previous version of the section:

ABSTRACT

~~The invention provides a~~ A clock signal extraction device for extracting a clock signal from a periodic data signal, ~~comprising~~ includes a phase detector (104, 106) for detecting a first phase difference between rising edges of said data signal and a rising edges clock signal and for detecting a second phase difference between falling edges of said data signal and a falling edges clock signal, ~~and~~. The device also includes a clock generator (110, 112) for generating said rising edges clock signal so that said first phase difference is minimized, for generating said falling edges clock signal so that said second phase difference is minimized, and for generating said clock signal in dependence on said first phase difference and said second phase difference. ~~The invention further provides a~~ A method for extracting a clock signal from a periodic data signal is related to the device.

Please disregard the instructions in the preliminary amendment related to replacement of the paragraph starting on page 4, line 22. Instead, please replace the paragraph starting on page 4, line 29 with the following replacement paragraph, showing all changes relative to the previous version of the paragraph:

This object is achieved by a clock signal extraction device for extracting a clock signal from a periodic data signal ~~according to claim 1~~ and a method for extracting a clock signal from a periodic signal according to embodiments of the invention ~~claim 11~~.